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PATENT
Attorney Docket No. 212311

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7/16/02

In re Application of:

VETRIVELKUMARAN et al.

Application No. 09/681,844

Filed: June 15, 2001

For: APPLICATION PROGRAM
CACHING

Group Art Unit:

Examiner:

2186

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JUN 27 2002

Technology Center 2100

**REVOCATION OF
FORMER POWERS OF ATTORNEY AND
NEW POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

Commissioner for Patents
Washington, D.C. 20231

Sir:

Microsoft Corporation (hereinafter the "assignee") is the assignee of record of the entire interest of the above-identified U.S. patent application, and has a place of business at One Microsoft Way, Redmond, Washington 98052.

Pursuant to 37 CFR 3.73(b), the undersigned has reviewed evidentiary documents establishing a chain of title from the inventor(s) to the assignee and, to the best of the undersigned's knowledge and belief, certifies that title is in the assignee. An assignment from the inventor(s) to the assignee was recorded in the U.S. Patent and Trademark Office on June 15, 2001, at Reel 011663, Frame No. 0317.

The assignee hereby revokes all previously given powers of attorney and appoints the following as its attorneys to prosecute and transact all business in the U.S. Patent and Trademark Office connected with the application, including the following: to receive all documents issued by the U.S. Patent and Trademark Office based thereon; to file continuation, continuation-in-part and divisional applications based thereon; to pay any and all fees, including maintenance fees for any resulting patent; and to file for reissues and extensions and to request reexamination of any resulting patent. All such powers are to be exercised separately or collectively.

Please recognize Leydig, Voit, & Mayer, Ltd. as Associate Attorneys in this case:
Customer Number 23460.



23460

U.S. PATENT AND TRADEMARK OFFICE
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JUN 19 2002

In re Appn. of VENTRIVELKUMARAN et al.
Application No. 09/681,844

The assignee requests that correspondence concerning this application be directed to
Leydig, Voit & Mayer, Ltd.: Customer Number 23460.



23460

PTABUS TRADEMARK OFFICE

The assignee also requests that all telephone calls be directed to John Conklin at
(312) 616-5600.

Date: 6-13-2002

A handwritten signature of Daniel D. Crouse is written over a horizontal line.

Signature

Daniel D. Crouse

*Typed or printed name of person authorized to sign on behalf of
Assignee*

Title Assistant Secretary

Revokr (Rev. 2/1/2001)